

## INTERNATIONAL SEARCH REPORT

International application No.

T/JP03/04233

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G11B7/0045, 7/125

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G11B7/00-7/013, 7/12-7/22, 7/30

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2001-110053 A (Ricoh Co., Ltd.), 20 April, 2001 (20.04.01), Full text; Fig. 1 (Family: none)	1, 2, 7-10, 12 3
Y	JP 9-282660 A (Hitachi, Ltd.), 31 October, 1997 (31.10.97), Par. Nos. [0041], [0051]; Fig. 1 & EP 802531 A	3, 6
X Y	JP 10-091961 A (Sony Corp.), 10 April, 1998 (10.04.98), Par. No. [0064] & US 6044055 A	4, 5, 11 6

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search  
15 July, 2003 (15.07.03)

Date of mailing of the international search report  
29 July, 2003 (29.07.03)

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CT/JP03/04233

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2001-176073 A (Ricoh Co., Ltd.), 29 June, 2001 (29.06.01), Par. No. [0012] (Family: none)	4, 5, 11 6